## **LISTING OF CLAIMS**

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-17 (Canceled).

Claim 18 (Currently amended): The supply device as claimed in claim [[16]] <u>21</u>, wherein the voltage is at least partly sinusoidal.

Claim 19 (Currently amended): The supply device as claimed in claim [[16]] <u>21</u>, further comprising means for truncating the voltage.

Claim 20 (Currently amended): The supply device as claimed in claim [[16]] <u>21</u>, wherein the resonance means is configured to operate for a plurality of resonant frequencies.

Claim 21 (Previously Presented): An electrical supply device configured to deliver energy to a structure that includes at least first and second electrodes and a space containing a gas to be excited, the device comprising:

a voltage generator;

an inductor in the form of a transformer provided with a primary winding and with a secondary winding, the primary winding connected to the voltage generator and the secondary winding connected to the first and second electrodes to supply the first and second electrodes with a periodic voltage of a frequency; and

resonance means for fixing the frequency at substantially the resonant frequency of the system of the structure and the inductor;

wherein the resonance means comprises a switch placed in a path from the voltage generator to the primary winding of the transformer, and a control system connected to the switch to open and close the switch over a period, wherein closing of the switch, which is closed for a duration, is triggered by choice at one of the following instants:

at a zero crossing of the current flowing through the structure; when the voltage crosses a threshold voltage;

at a threshold light level; or

when the current flowing through the structure crosses a threshold current.

Claim 22 (Previously Presented): The supply device as claimed in claim 21, further comprising means for measuring the current that delivers, to the control system, an image of the current flowing through the structure, the closing of the switch within the period being triggered at the current zero crossing.

Claim 23 (Previously Presented): The supply device as claimed in claim 21, further comprising means for measuring the voltage coupled to the control system, the closing of the switch within the period being triggered when the voltage crosses the threshold voltage.

Claim 24 (Previously Presented): The supply device as claimed in claim 21, wherein the duration of the time during which the switch is closed can be adjusted according to energy to be delivered to the structure.

Claim 25 (Currently amended): The supply device as claimed in claim [[16]] <u>21</u>, wherein frequency is between 10 and 300 kHz.

Claim 26 (Currently amended): The use of the supply device as claimed in claim [[16]] 21 for supplying at least first and second electrodes of a structure forming a flat lamp.

Claim 27 (Currently amended): An assembly comprising:

a structure that includes at least first and second electrodes and a space containing a gas; and

the supply device as claimed in claim [[16]] 21.

Claim 28 (Previously Presented): The assembly as claimed in claim 27, wherein the structure includes two dielectrics associated respectively with the first and second electrodes and spaced apart so as to create the space.

Claim 29 (Previously Presented): The assembly as claimed in claim 27, wherein the structure forms a flat lamp for a backlighting system or a flat lamp for architectural, decorative, and/or indicating illumination.

Claim 30 (Previously Presented): The assembly as claimed in claim 27, wherein the structure forms part of a deposition system for a plasma CVD process.